33031

TV COLOR TELEVISION

P 37-640 text

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GRUNDIG

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Additional Information for Units sold in Great Britain

Units sold in GB are suitable for operation from a 240 V AC, 50 Hz mains supply.

In case this appliance is supplied with a Safety Standard Approved mains lead fitted with a non-rewireable 13 Amp mains plug which, if unsuitable for your socket, should be cut off and an appropriate plug fitted by a qualified electrician. The fuse and fuse holder must be removed from the plug as accidental insertion of the redundant plug into a 13 Amp socket is likely to cause an electrical hazard.

Note: The severed plug must be destroyed to avoid a possible shock hazard should it be inserted into a 13 Amp socket elsewhere.

If it is necessary to change the fuse in the non-rewireable plug, the correct type and rating (5 Amp ASTA or BSI approved BS 1362) must be used and the fuse cover must be refitted. If the fuse cover is lost or damaged the lead and plug must not be used until a replacement is obtained. Replacement fuse covers should be obtained from your dealer.

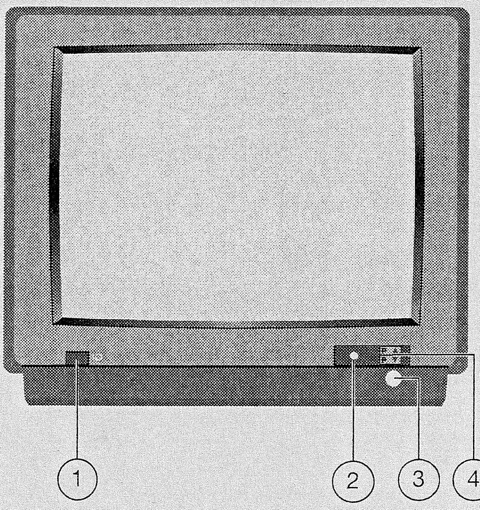
If a non-rewireable plug or a rewireable 13 Amp (BS 1363) plug is used, it must be fitted with a 5 Amp ASTA or BSI approved BS 1362 fuse. If any other type of plug is used it must be protected by a 5 Amp fuse either in the plug or at the distribution board.

Important:
The wires in the mains lead are coloured in accordance with the following code:

BLUE – NEUTRAL
BROWN – LIVE

As the colours of the wires in the mains lead of your appliance may not correspond with the coloured marking identifying the terminals in your plug, proceed as follows:
Connect the BLUE coloured wire to plug terminal marked with the letter "N" or coloured black.
Connect the BROWN coloured wire to the plug terminal marked with a letter "L" or coloured red.
In no circumstance must any of the wires be connected to the terminal marked with a letter "E", earth symbol ⏚, coloured green or green and yellow.

Replacement mains lead can be obtained from your dealer.



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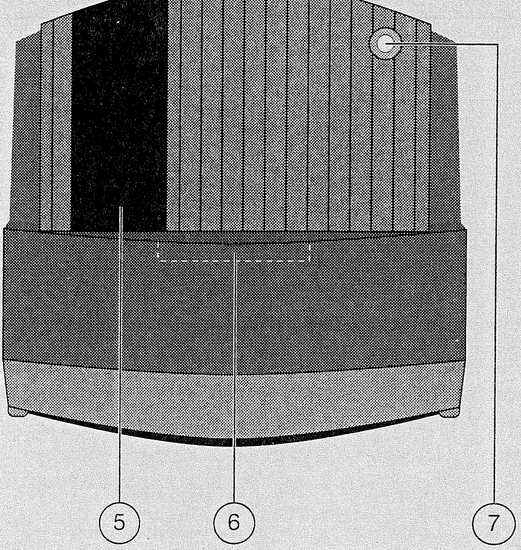

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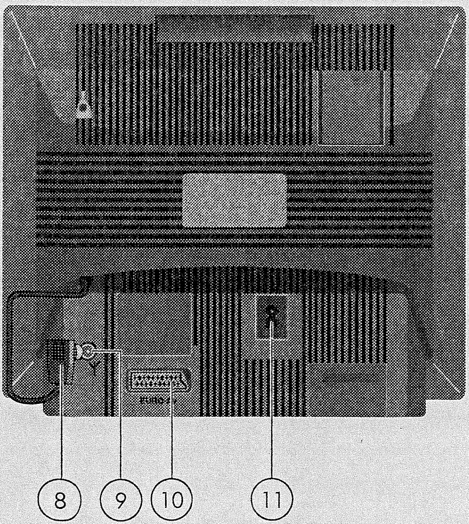

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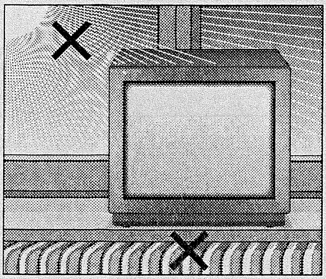
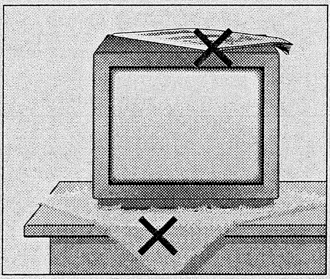
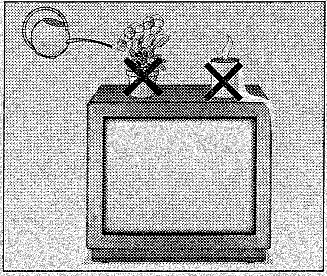
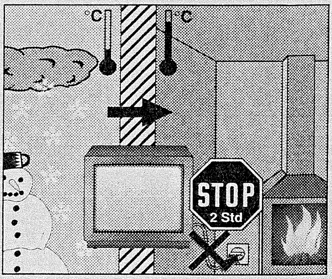
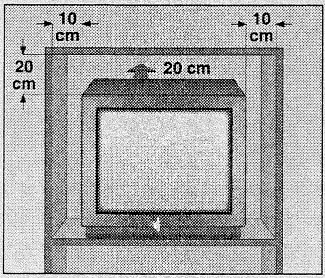
Notes on Setting up and Safety

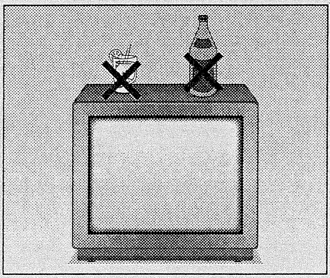


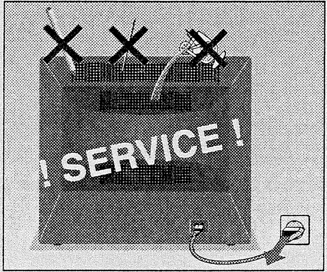


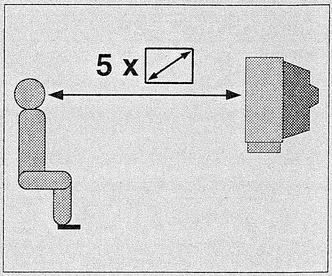












Even if your television is switched off, it can still be damaged by a lightening strike in the power supply and/or aerial cables.
For this reason, you should always disconnect your television from the mains as well as the aerial cable during thunder storms.

The ideal viewing distance is five times the diagonal width of the screen. See the illustration!

Connections and Operating Features on the Unit

① Mains switch for switching on and off.

② Stand by – is indicated by an illuminated dot in the display.

③ Headphone socket, ø3.5mm – automatically switches off the integrated loudspeakers.

④ Programme selection buttons.

⑤ Storage for remote control.

⑥ Hand grips

⑦ One-piece telescope aerial

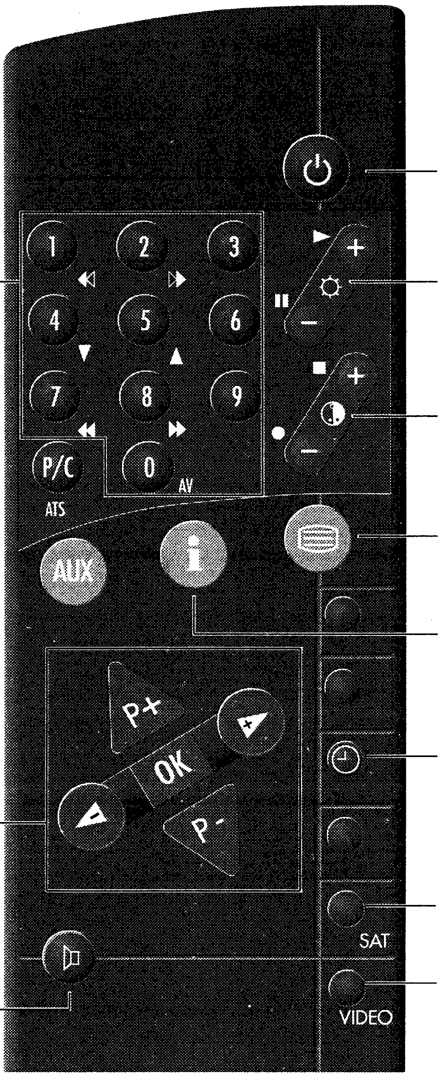
⑧ Plug for connecting the telescope aerial to socket ⑨.

⑨ Aerial socket 75Ω, coaxial, DIN 45325 IEC 169-2.

⑩ EURO-AV socket, universal connection, DIN EN 50049 e.g. video and RGB connection possible.

⑪ Power supply

The Remote Control



1-0 **AV**	Channel selection and switching on the television from stand by, or – Selection of AV position
P+	Individually switch channels, forward (1, 2, 3 ...)
P-	Individually switch channels, reverse (...3, 2, 1)
	»or«
P+ **P-**	Cursor movement up, and down
OK	– Changing and activating various functions.
◀▶	Volume adjustment
	»or«
◀▶	Move cursor to the left, to the right
🔈	Sound ON/OFF (mute)

⏻	Switch to stand by
☼	Brightness
◑	Contrast
▤	Teletext mode ↔ TV mode
i	To enter the menu. When menu appears, press the **OK** button
◷	Time on/off
SAT	Satellite receiver remote control (keep SAT button depressed)
VIDEO	Video recorder remote control (keep VIDEO button depressed)

The remote control is the central control unit for your television set.

All operating functions and basic settings can be carried out with the remote control.

Insert the battery supplied. Note the markings inside the battery compartment! Close the cover.

When the battery is dead, "**BATTERY TELEPILOT**" appears on the screen.

Change weak batteries in good time. We cannot assume liability for damage resulting from battery leakage.

Switching On and Off

Switch the television on with the mains switch ①.

Channel position 1 is automatically selected. On the screen P1 and the station identification ARD are briefly displayed.

During television breaks you can switch your television to the stand-by mode by pressing the ⏻ button.

Approximately ten minutes after the end of broadcasts or if broadcasting is interrupted (if no test pattern is being broadcast), the television automatically switches to stand-by.

Use the **P+** button to turn on the television when it is in stand-by mode.

If your television is out of use for a longer period of time (e.g. at night), turn it off with the power switch ①.

This contributes to the reduction of environmental pollution by reducing power consumption.

Channel Selection

Select the programme with the number buttons, or with button **P+** or **P–**.
By keeping one of the buttons (P+ or P–) depressed, the channel position and the station identification are scrolled at high speed.
After releasing the button, the television switches to the channel you have selected.

Assigning Channel Positions

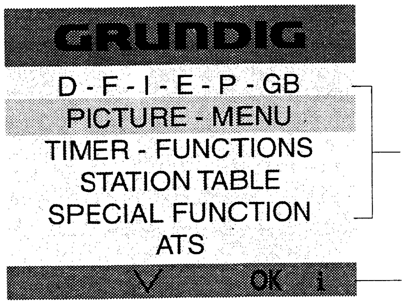
Language Selection

You can choose between a number of languages for the dialogue with your television set.

At the factory, **D** (German) is preset. If you wish to change the language, you should do so before proceeding.

Press the **i** button, and then the **OK** button.
The **MENU** appears.

You can leave the menu by pressing the **i** button.



The menu selection possibilities

Dialog line (inputs can only be entered with the displayed buttons (symbols)

FP000128

Select the first line of the menu by pressing **P–**.
- The menu line - **with the country code** - is highlighted in bright blue.

Press the **OK** button.
- Language selection is activated.
  The selected country code appears in red.

Press the ◀ or ▶ button to select the desired language.
- All subsequent information which appears on the screen will be in the language you have selected.

Press the **OK** button.
- The country code of the desired language is now stored and is displayed in yellow.

You can switch to the next setting from this page; refer to Chapter
"Assigning Channel Positions for Television Channels".

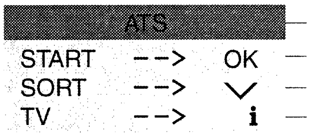
Assigning Channel Positions for Television Channels

Television stations broadcast programmes on different channels. For example, Dillberg station broadcasts ARD (the 1st state channel in Germany) on channel 6.
The channels must be assigned to the channel positions of your television.
It is only necessary to make these settings once, when you set up your television for the first time, or if reception conditions change (for example, if you move to another location, or if you are subsequently connected to a cable television source).

By pressing the **P–** button, select the ATS line from the menu and press **OK** to confirm.

The ATS page appears.

Dialog line



— Auto Tuning System
— OK button - starts ATS
— P– button - sorts channel position
— **i** button - returns to TV programme

FP000242

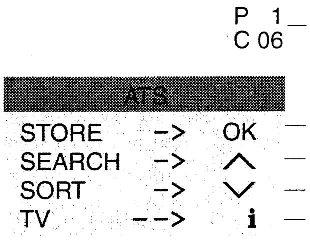
Starting ATS

Press the **OK** button,
ATS starts and the channel search begins at **C00** and stops wherever a station is broadcasting, regardless of the reception picture quality.
Channel position P1 is automatically selected.

Storing channels

Only store the channel numbers of those channels with good picture quality. To do so, press the **OK** button.

If you find a channel with poor picture quality, restart the automatic channel search by pressing the **P+** button.



— for example, P 1 and the C 06 channel found with ATS

Dialog lines :

— OK button - store
— P+ button - does not store, but searches
— P– button - sorts channel position
— **i** button - returns to TV programme

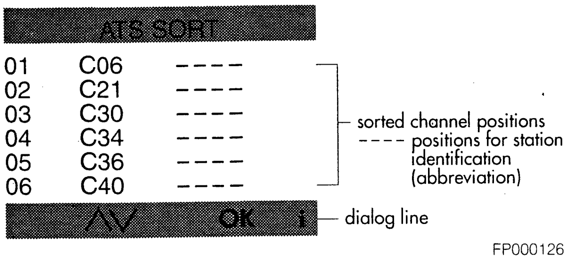
FP000243

- Once the channel number is stored, channel position P2 is automatically called up. The channel search continues until the next channel is found. In this way you can store all further channels.

Assigning Channel Positions

Changing the sequence of the channels

You can sort the channels as you desire and, for example, store the channel you view the most often as position P1.
If you have exited ATS, please call it up again.



```
ATS SORT
01   C06   ----
02   C21   ----
03   C30   ----
04   C34   ----
05   C36   ----
06   C40   ----
  ∧∨     OK   i
```

FP000126

Please note the dialog lines. Inputs are possible with the button symbols displayed.

Press **P+** or **P–** and select the channel position you want to move (the line is highlighted in red).

Press the **OK** button, (the line is highlighted in yellow), and you can now move the channel position data. Proceed as follows:

Press **P+** or **P–** and move the channel position data to the new channel position you desire(for example, P1 = 01).

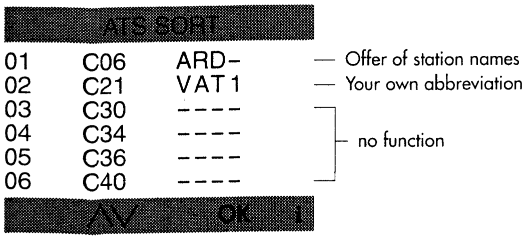
Continue to press the **OK** button until all the channel location data change from yellow to red. The data are stored

Entering station identification

A station's identification abbreviation makes if easier for you to find a channel. You can enter a station identification abbreviation as desired.

You can also take advantage of the pre-programmed station identification abbreviations which your television offers as a special service.

ARD
ARTE
BBC
BRT1
BRT2
BR3
CANP
CNN
DSF
EURO
FILM
F2
HR3
ITB
LIFE
MDR
MTV
NED1
NED2
NED3
NRK
N3
ODR3
ORF1
ORF2
PRO7
RAI1
RAI2
RAI3
RTL4
RTL
RTP1
RTP2
SAT1
SDR3
SPOR
SRG
SR3
SUPE
SVT2
SWF3
TF1
TV4
TV5
TVE1
TVE2
VERK
WDR3
ZDF
1PLU
3SAT



```
ATS SORT
01   C06   ARD-
02   C21   VAT1
03   C30   ----
04   C34   ----
05   C36   ----
06   C40   ----
  ∧∨     OK   i
```

FP000127

Using **P+** or **P–**, select the channel position in which you want to enter a new identification abbreviation or wish to change.

Press the **OK** button (the line is highlighted in yellow).

Press the **OK** button again.
(The channel number is red and the four input places for the station identification abbreviation are highlighted in yellow).

Press **P+** or **P–** ; the first abbreviation appears.

Press **P+** or **P–** until you find the correct abbreviation (when the button is kept depressed, it goes throught the list in order).

Press the **OK** button (the entire line is highlighted in red), the line is stored.

If the list of abbreviations does not contain an abbreviation you desire, you can enter **your own abbreviation**.
Four places per channel position (i.e. letters/numbers) are available for your own station identification abbreviation.
These places can be occupied by any combination of letters (A-Z), numbers (0-9), or blank spaces (----).

Select a channel position with **P+** or **P–** .

Press the **OK** button (line is highlighted in yellow).

Press the **OK** button again (the channel is highlighted in red).

Use **P+** or **P–** to search for the dashes (----).

Press the **OK** button. (The first input place is highlighted in red).

Call up the desired letter or number with **P+** or **P–** .

Select the next place with the ▶ button and repeat this procedure until the abbreviation is complete.

Press the **OK** button (the entire line is highlighted in red), the channel position data are now stored.

Switch back to the TV channel by pressing the **i** button.
By briefly pressing the **i** button you can call up or cancel the channel display.

Assigning Channel Positions

Assigning Channel Positions by Entering Channel Numbers Directly

This is only of use when you are familiar with the channel numbers of the channels.

> If you used the ATS channel search to assign channel posi-tions, it is not necessary to follow this procedure.

Calling up the menu

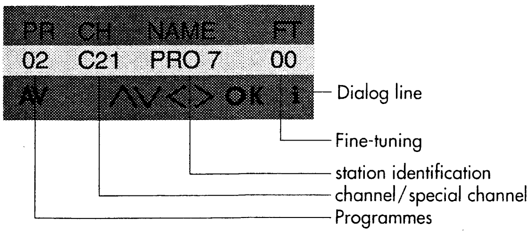
Press **i**.
MENU → **OK** appears.

While this is still visible, press the **OK** button;
the **MENU** appears.

Selecting a channel position

Select the second menu line with **P+** or **P-**.
- The menu line – **PROGRAM** – is highlighted in bright blue.

Press the **OK** button.
- The data of the current channel position appears.
- The active position is shown in red.



FP000129

Select channel position with **P+** or **P-** .

Entering the channel number

Press the ▶ button..
- You can now switch between a channel and a special channel by proceeding as follows:

Press the **P+** or **P-** button.
- **S** (= special channel) is displayed.
- Pressing the **P+** or **P-** button once more switches back to **C** (**C** = channel).

Press the ▶ button.

Enter the **two-place** number with the numeric buttons.
- If you want to make no further inputs (for instance, station identification, fine-tuning (FT), etc.), proceed as follows:

Press the **OK** button (store).

Setting the channel number can also be done step-by-step with the **P+** and **P-** buttons. If you keep the **P+** or **P-** button depressed, channel search will start. Channel search stops at every channel you are able to receive.

Entering station identification

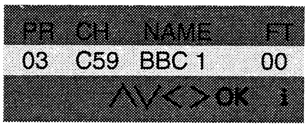
- Each channel position can be assigned a four-place station identification name. This name can consist of any combination of letters, numbers or symbols (for example, empty space "–" for spacing between the letters or numbers).

Press the ▶ button.
- This selects the first place of the station identification.

Press either **P+** or **P-** (**P+** up from 0-9, A-Z, **P-** down from Z-A, 9-0, space) until the desired symbols appears.

Press the ▶ button.
You thus select the next entry position.
Repeat this procedure until the desired station identification has been entered.

- If no other inputs are required, (for example, fine-tuning), press the **OK** button.
- The channel number and station identification are now stored.



FP000130

Fine tuning the picture (FT)

The television set is automatically adjusted to the best possible picture quality. In difficult reception conditions it may be necessary to adjust the picture by manual fine tuning.

Press the ◀ button until the numbers beneath **FT** are shown in green.

Press the **P+** or **P–** button to select the best picture and sound quality. A value between +63 and –64 can be selected.

Press the **OK** button to store the changed values.
- After storing, the channel data of the next channel position are shown.

Press the **i** button to return to TV mode.

Timer Function

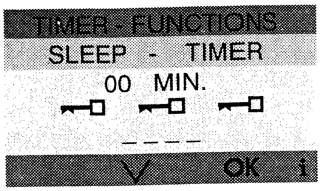
Sleep Timer

When the **Sleep Timer** is set, the television automatically switches to stand-by mode after a pre-selected period of 10 to 90 minutes.

Call up the menu.

Press the **P–** button to select the menu item "**TIMER-FUNCTIONS**."

Press the **OK** button; the "**TIMER-FUNCTIONS**" menu appears.


TIMER - FUNCTIONS
SLEEP - TIMER
00 MIN.
⊸ ⊸ ⊸
- - - -

FP000131

Press the **OK** button.

Use the **P–** button to enter the desired value (10 minute intervals).

Store with the **OK** button. The main menu appears.
- After the set time has elapsed, the television switches to stand-by.
- Entering "**00 MIN.**" interrupts the count-down sequence.

Press the **i** button to return to TV mode.

Programme Lock

The programme lock prevents unauthorized persons from switching the set on.

Call up the menu.

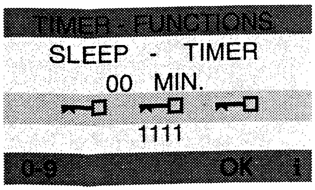
Press the **P–** button to select the menu item "**TIMER-FUNCTIONS**."

Press the **OK** button; the "**TIMER-FUNCTIONS**" menu appears.

Press the **P–** button; this selects the menu line ⊸ ⊸ ⊸ .

Press the **OK** button.

Enter the **four-place code** with the numeric buttons **0...9** (for example, 1111).


TIMER - FUNCTIONS
SLEEP - TIMER
00 MIN.
⊸ ⊸ ⊸
1111

FP000244

Press the **OK** button.

- Your identification code is saved. The main menu appears.

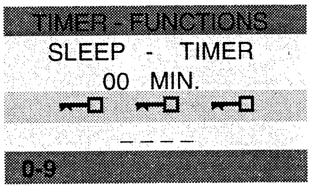
Press the **i** button to return to TV mode.

Memorize your personal identification code!

If you should forget your personal identification code, refer to the key (▤) on the last page (of the cover).

Clearing the programme lock

If the television is switched on while the programme lock is activated, the following appears:


TIMER - FUNCTIONS
SLEEP - TIMER
00 MIN.
⊸ ⊸ ⊸
- - - -

FP000245

This prompts you to enter your personal identification code.

Enter the code with the numeric buttons **0...9**.
- The television automatically switches to TV mode.

Deleting the program lock

Call up the menu.

Press the **P–** button to select the menu item "**TIMER-FUNCTIONS**."

Press the **OK** button; the "**TIMER-FUNCTIONS**" menu appears.

Press the **P–** button; this selects the menu line ⊸ ⊸ ⊸ .

Press the **OK** button.

Enter the stored **four-place** number with the buttons **0...9** (for example, 1111).
- The code is deleted.

Special Functions

Connecting a Descrambler (Decoder) or an External Unit (Video Recorder)

Certain television station which broadcast via cable or satellite receiver scramble their programmes, meaning that the sound and picture signals your television receives are purposely distorted. You can unscramble such transmissions with a decoder.

Procedure:

Connect your descrambler/video recorder to the **EURO-AV-socket** ⑩.

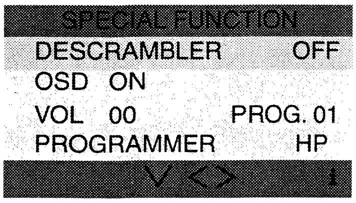
Descrambler:
Select a scrambled channel position.

Video recorder:
Select the programme position you want your video recorder to play back on.

Call up the menu.

Press the **P–** button to select the menu line – **SPECIAL FUNCTIONS** –.

Press the **OK** button.
– The menu – **SPECIAL FUNCTIONS** – appears.



SPECIAL FUNCTION
DESCRAMBLER OFF
OSD ON
VOL 00 PROG. 01
PROGRAMMER HP
V < > i

FP000134

Press the ◀ or ▶ button.
– This switches to **DESCRAMBLER ON**.

– Display on the screen P7 ⊖ PREM

Pressing the ◀ or ▶ button switches back to DESCRAMBLER OFF.

Pressing the **i** button switches back to the TV mode.

Turning scale display On and Off

In the menu line – **OSD ON** –, you can choose between OSD ON and OSD OFF.

OSD ON: The scale display for volume and station identification is shown.

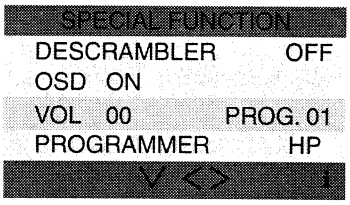
OSD OFF: The scale display for volume and station identification is not shown.

Changing the Volume of a Channel Position

If you receive a programme whose volume deviates from other channels (too loud or low), this volume can be adjusted as follows.

Call up the special functions menu.

Use the **P–** button to select the menu line – **VOL 00 PROG. 01** –.



SPECIAL FUNCTION
DESCRAMBLER OFF
OSD ON
VOL 00 PROG. 01
PROGRAMMER HP
V < > i

FP000136

Use ◀ or ▶ to change the volume. Only the volume of the channel currently being viewed (e.g. PROG. 01) is changed.
Use the **i** button to switch back to the TV mode.

Programmer HP

The menu line – **PROGRAMMER HP** – serves to automatically programme the television set.
Only an authorized dealer can access the **IR DATA-PROGRAMMER**.

Picture Correction

All picture settings can be adjusted to your individual desires.

If you want to change picture values, press the - or + side of the rocker switch as long as required for

Color contrast ◑

Brightness ☼

If you want to change **black-white contrast:**

Call up the menu.

Press the **OK** button.
The **PICTURE MENU** is displayed.
Select contrast with button **P–**.
Asjust the contrast with the ◀ or ▶ button.
– Each setting is displayed by highlighted bars on the screen.

Teletext Mode – Short Description

1-0 Page selection

P/C Display the most previously viewed page.

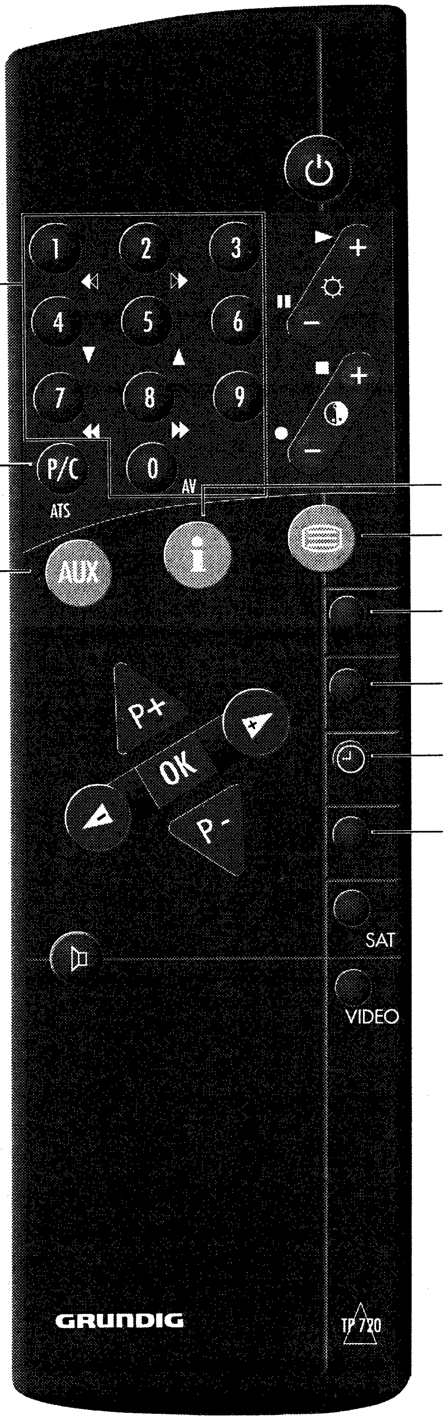
Call up dialog line with **AUX**

To call up the following:

▤↑	▤X	/00	▤?	STOP
Increase character size	Bypass waiting time	Direct call up subpage	Give answer	Page STOP

Select functions with ◀ or ▶ button

Call up with **OK** button



i Call up info page 100

▤ Teletext mode ↔ TV mode

Blue button	no function
Yellow button	no function
Green button	Current page +1 page
Red button	Current page -1 page

Fastext (Flof)

The colored buttons are for the topics listed in the dialogue lines.

Teletext Mode

General

Teletext is the name of the additional information transmitted together with the television signal (program) by television stations.

With a teletext decoder integrated in your telvision, you can view this information on your screen.

Teletext is transmitted in the form of texts and graphic representations or as subtitles for certain television programs.

Subtitles are often transmitted as a service for the hard-of-hearing.

Teletext information is transmitted in the form of pages, page by page.
These pages are numbered and are selected with the remote control.

Operation

Select the channel whose teletext pages you wish to call up.

Switching teletext on and off

Press the ▤ button on the remote control.

The info page 100, or the most previously viewed teletext page, will appear.

Press the ▤ button; this switches off teletext.

Calling up teletext pages

Enter the **three-place** number of the desired page with the numeric buttons **1...0**.

- The page number is located at the top of the screen, and after a brief interval, the page will appear.

You can select the following page by pressing the **green** button (**current page number +1 page**)

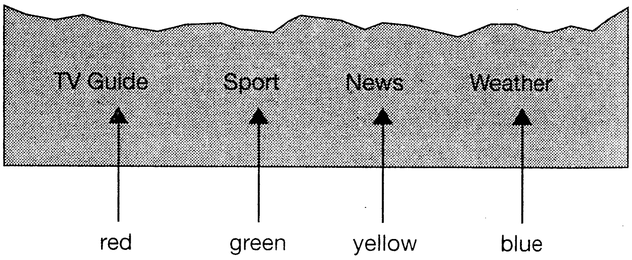
or

the previous page with the **red** button
(**current page number -1 page**).

Using the **P/C** button, you can view the most previously viewed page.

FLOF teletext

If FLOF teletext is offered by the television station, your unit automatically switches to FLOF mode. A range of topics appears in coloured letters. The coloured buttons guide you to the topics.



Multiple pages

Several subpages can be combined under a single page number, and these pages are automatically scrolled at an interval determined by the television station.
The presence of subpages under a single page number is indicated by, for example, 3/6 beneath the time, which means that you are looking at the 3rd page of a total of 6 pages.

If you want to look at a page for a longer period of time, select **Stop**.

Press the **AUX** button.

The dialog line appears.
Select STOP with the ◄ or ► button.

Press the **OK** button.
⊞ appears in the upper screen. The contents of the diplayed page are now "fixed", which means that this page is no longer updated and the following pages are not switched to.

Press the **OK** button.
The "Stop" function is deactivated, and the following subpages are displayed.

Teletext Mode

Directly calling up a subpage

Press the **AUX** button (dialog line appears).
Select /00 with the ◀ or ▶ button.

Press the **OK** button.
---- appears in the top line.

Using the numeric buttons, enter the four-place number of the desired subpage; for example, the second page, sequence 0002. The desired page is sought and displayed.

Press the **OK** button.
The function is cancelled.

Calling up the overview (info) page

You can directly call up the overview page of the respective television station.

Press the **i** button.
The contents page appears.

Doubling character size

Press the **AUX** button (the dialog line appears).

Using the ◀ or ▶ button, select ▤↑.

Repeatedly pressing the **OK** button doubles the character size in the following order:
upper half of the picture,
lower half of the picture,
return to normal picture.

Answer

This function can be used on certain teletext pages to solve riddles given during a televised program, for instance, or for programming a video recorder via VPS pages.

Press the **AUX** button (dialog line appears).

Using the ◀ or ▶ buttion, select ▤?.

Press the **OK** button,
the hidden information becomes visible.

Press the **OK** button,
The "Answer" function is cancelled.

Watching television in teletext mode

Updating pages –
Bypassing waiting times

Certain teletext pages are constantly updated, such as stock market reports and sporting events, as well as the latest news.

If you want to watch television and nevertheless remain informed, first select a page of your choice, and then

press the **AUX** button (dialog line appears).

Select ▤X with the ◀ or ▶ button.

Press the **OK** button.

The television program is still visible for viewing, and at the top of the screen, the teletext symbol appears.

If, for example, S143 appears in the info line,

press the **AUX** button.
The updated teletext page appears.

You can also use this function to bypass waiting times while the your teletext decoder searches for a page. As soon as the page is found, S143, as in the example, appears in the info line.

Page catching,

This function allows you to select a page without entering the corresponding page number. Using the cursor, you can select specific teletext pages from the overview pages (pages designated with a three-place page number). You can use this function to dispense with entering the three-place number.

Press the **P-** or **P+** buttons.

»Page Catching« appears in the upper part of the screen.
A highlighted square (cursor) blinks on the first or last page number of the overview.

Using the **P-** or **P+** buttons, move the cursor to the desired page number.

Press the **OK** button.
The desired page appears on the screen.

Connection Capabilities and Operation

... of stereo headphones

Procedure:

Connect the headphones (3.5 mm ∅ jack) to socket ③. (The built-in speaker is switched off.)

Operation:

Adjust the volume with the ◀, ▶ buttons.
Adjustment is shown by means of a scale on the screen (provided that OSD ON).

... of a video recorder or camcorder

Procedure:

Connect the video recorder or camcorder with the correct connecting cable to the EURO-AV socket ⑩ (at the back of the set), or with an aerial cable (75Ω) to the aerial socket ⑨ (at the back of the set).

Example 1:

Video recorder or camcorder to Euro-AV socket ⑩.

Press the **0AV** button to select the AV programme position.

Switch the video recorder to play.

On the screen you see the video output.

Example 2:

Video or camcorder to aerial socket ⑨.

Assign the designated playback channel of the video recorder (between 30 and 40) to any programme position on the television set.

If you do not know the playback channel of your video recorder, switch the video recorder to play and find it with the search function of the television set.

Adjusting the picture during video playback

If the picture is not clear, you can adjust it.
(See fine tuning the picture).

Video Recorder Remote Control

Your television´s remote control also allows you to control a **video recorder**. Consult your dealer for models which offer this function.

To operate:

Keep the **VIDEO** button depressed.
This switches the remote control to video mode. Press the desired function button.

The following is a list of the buttons used to operate a video recorder:

◀◁ (Numeric button 1) = Picture search, reverse
▷▶ (Numeric button 2) = Picture search, forward
● (Button – ◑) = Record start
■ (Button + ◑) = Stop
◀◀ (Numeric button 7) = Quick reverse
▶▶ (Numeric button 8) = Quick forward
II (Button – ☼) = Pause
▶ (Button – ☼) = Play
▼ (Numeric button 4) = Channel position -
▲ (Numeric button 5) = Channel position+

Technical Data

Mains voltage:

220-240 V ~, 50/60 Hz
(Power supply control range 190 ... 264 V)

"This unit may only be operated with the power supply cable set which has been supplied. It prevents interference from the mains, and is considered an obligatory component of this unit.

For a replacement, contact the nearest customer service center and order only the power supply cable set with the following designation: GWN 9.22/article number 8290.991-316."

Power consumption:

approx. 40 W
In stand by 5 W.

Reception range:

Channels 01 ... 99
Special channels S 01 ... S 99

Sound output:

4 W musical output (2 W sinus)

This unit conforms to VDE safety regulations and the directives of the Deutschen Bundespost (German Federal Post Office; see the certification mark on the type sticker on the rear of the unit), and also all relevant regulations concerning X-ray emission. The picture tube, which emits X-rays, is sufficiently shielded, and therefore represents no danger. Accelerating voltage is a max. 25kV/with a mean beam current of 0.8 mA. This unit is equipped with an intrinsically safe cathode ray tube in accordance with Appendix III of the applicable X-ray regulations.

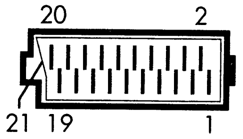
Unauthorized tampering with the unit, especially adjustments to the high voltage system or the installation of a dif- ferent type of picture tube, can considerably increase X-ray emission. Units altered in this way no longer conform to the operating permission conditions and may not be operated.

EURO-AV pin assignment ⑩

If you wish to connect additional appliances to your television (e.g. computer or amplifier), your dealer can provide you with a normed standard connection by referring to the following table:

Pin **Signal**

1 = Audio output, right
2 = Audio input, right
3 = Audio output, left
4 = Audio earth
5 = Blue earth
6 = Audio input, left
7 = RGB blue, input
8 = Switching voltage
9 = Green, earth
10 = –
11 = RGB green, input
12 = –
13 = Red earth
14 = Earth
15 = RGB red, input
16 = RGB switching voltage
17 = Video earth
18 = RGB switching voltage, earth
19 = Video output
20 = Video input
21 = Shielding/earth



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